Title: Structured Private Addressing and Naming for Management of Service and Network Resources Docket No.: NOR-056 (16084RO) Express Mail No.: ER325806612US Michael A. Rodriguez (508-303-2003) Sheet 1/8 SERVICE OSS <u>26</u> Circuit 543 (CID = CLCI) Customer – ABC, address, phone 28 AID 4 NETWORK OSS Circuit 543 (CID = CLCI)
NE 14 TID/AID/channel (trib)
AID/Channel (facility) NE 18 TID/AID/channel NE 14' TID/AID/channel (trib) AID/channel (facility) AID CLEI NE: TID,CLLI 22 AID CLEI 50

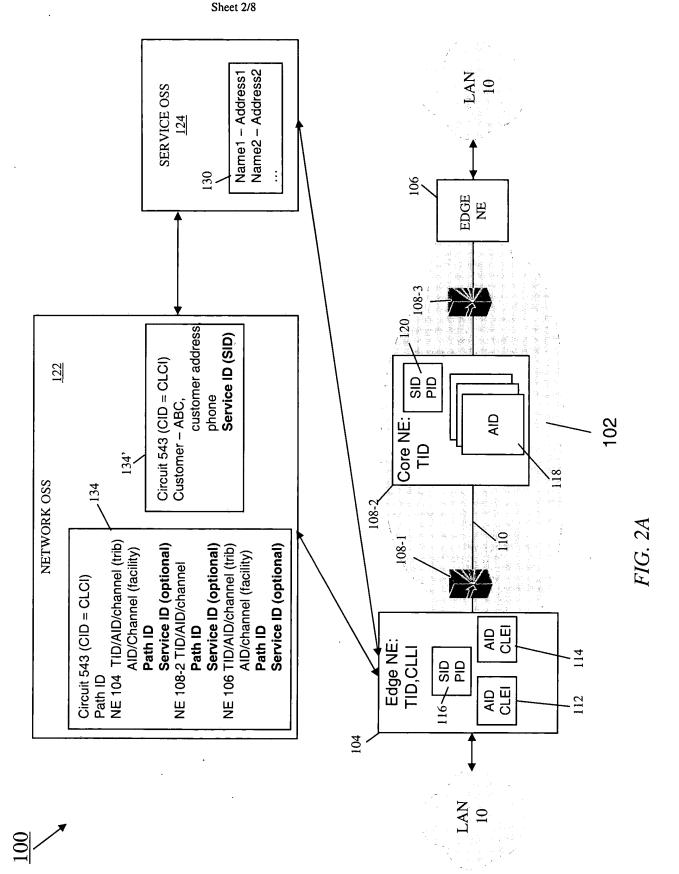
FIG. 1 (PRIOR ART)

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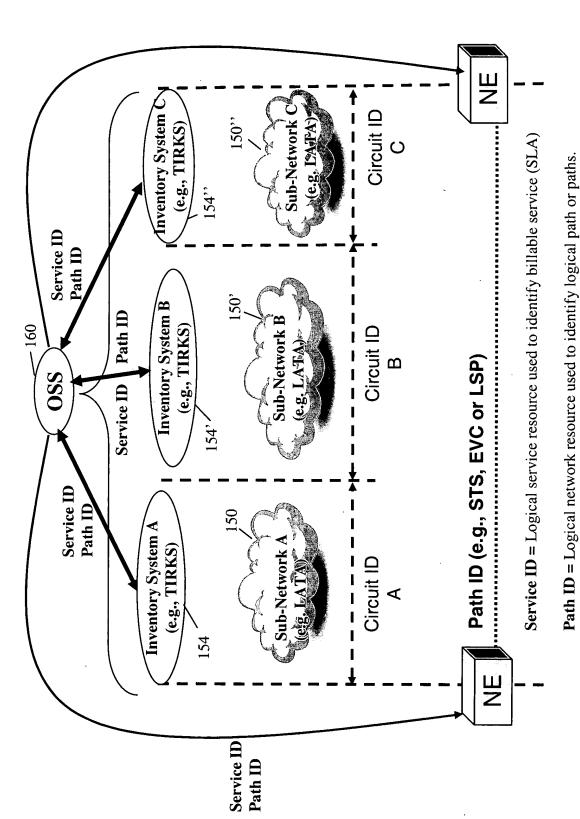


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	/ 220	L3 Service Attributes		L2 Service Attributes	xx Network Attributes	L1 Service Port Attributes	01 10Mb/s		03 1000Mb/s	1								
204-3	216	L3 Service Zone			L2 Service Zone		x1 Aggregate Zone	x2 Megional Zone		x5 Continental Zone		LA SCI VICE ZOIIE	x1 Aggregate Zone	x2 Metro Zone	x3 Regional Zone	x4 National Zone	x5 Continental Zone	x6 Global Zone
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	212	L3 Service Class	0x Business Class	1x Commercial Class	2x Best Effort	L2 Service Class	0x Business Class	Commercial Class	Best Effort	Service Class	7	rivate Duild	FIRST CLASS FL	2x Business Class PL				
200	8	L3 Service Set	Internet (public)	IP VPN (public)	IP VPN (private)	L2 Service Set	Frame Relay (private)	ATM (private)	E-Line (private)	E-LAN (private)	L1 Service Set	Async. Digital	Optical					
	208	L3 Se	1x	2x	3x	L2 Se	4x	5x	х9	7x	L1 Sei	8x	х6					

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L2 Serv	L2 Service Set - E-line (private)
09	Internet Access
61	IP VPN Access
62	Frame Relay Access
63	Ethernet

Ethernet Private Line Storage Private Line OC-n Private Line L1 Service Set -- Optical Private LAN 93

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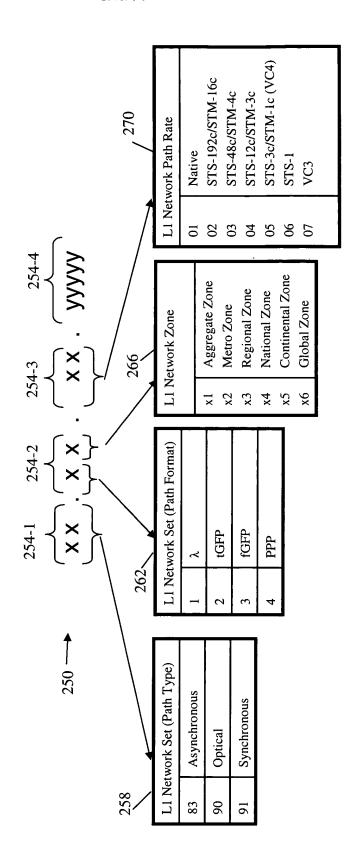


FIG.

304 300 308 yyyyyy1 – Service instance #1 yyyyyyy2 Service instance (e.g., 20 bits) Service Instance 64125552684 SP MAC SA MAC DA/SA SP MAC DA SP Q-tag Payload SP FCS Q-tag уууууу3 ToS - E-Line, Business Class, M-zone PoS - Performance metrics xx.x2-M-Zone xx.x1-A-Zone xx.x3-R-Zone xx.x4-N-Zone xx.x6-G-Zone AoS - Availability report xx.x5-I-Zone Service Zone Logical Service Resource ID Structure SID - 64.12.5552684 SLA report* xx.2x- Commercial Class xx.1x- Business Class xx.3x- Best Effort Inventory, monitoring Service Class Service ID (SID) Service OSS (FAB) e.g., 64.12.5552684 Reporting, billing 61.xx- Internet 62.xx- IP VPN 64.xx- E-Line 65.xx-E-LAN Service Set 63.xx- FR

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7IG. 6

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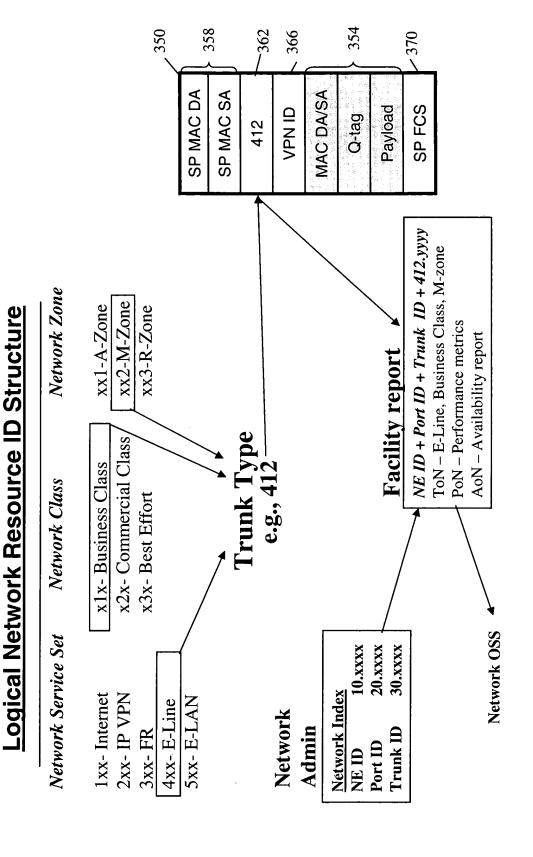


FIG.)